3,577,549

3,644,399

3,682,964

5/1971

2/1972 8/1972

Primary Examiner—A. Siegel

Jul. 3, 1979

[54] NOVEL THIOPHENE-ACETIC ACIDS [75] Inventors: François Clémence, Rosny-sous-Bois; Odile Le Martret, Paris, both of Roussel Uclaf, Paris, France [73] Assignee: [21] Appl. No.: 610,110 [22] Filed: Sep. 4, 1975 Related U.S. Application Data Continuation-in-part of Ser. No. 229,554, Feb. 25, 1972, [63] abandoned, which is a continuation-in-part of Ser. No. 88,125, Nov. 9, 1970, abandoned. Foreign Application Priority Data [30] Nov. 12, 1969 [FR] France 69.38734 Mar. 11, 1971 [FR] France 71.08476 Int. Cl.² C07D 333/24; A01N 9/00 [52] U.S. Cl. 260/332,2 A; 424/275 [58] Field of Search 260/332.2 A, 517, 294.8 D; 424/317 References Cited [56] U.S. PATENT DOCUMENTS 9/1969 Shen 424/248 3,466,372 Kaltenbronn 260/332.2 A 3,560,525 2/1971

FOREIGN PATENT DOCUMENTS

Attorney, Agent, or Firm-Hammond & Littell

1516775 2/1968 France 260/517

684682 1/1969 South Africa 260/517

Jack 424/317

Brown 260/326.3

Rousseau 260/327

[57] ABSTRACT

Novel thiophene-acetic acid derivatives of the formulae

and

wherein R is selected from the group consisting of hydrogen and alkyl of 1 to 4 carbon atoms, R₁ is selected from the group consisting of lower alkyl of 1 to 4 carbon atoms and hydrogen and R2 is selected from the group consisting of hydrogen, lower alkyl of 1 to 7 carbon atoms and optionally substituted with at least one hydroxy group or an oxygen atoms-containing heterocycle, di-lower alkylamino-lower alkyl, N-heterocyclic alkyl, alkali metals, alkaline earth metals, aluminum and —H,NH (lower alkyl)2 and Ar is selected from the group consisting of phenyl, optionally substituted with at least one member of the group consisting of halogen, trihalogenomethyl, lower alkyl, lower alkoxy and carboxyl, cyclohexyl, thienyl, furyl, tetrahydrofuryl and pyridyl, and in formula II, ArCO is attached to one of the positions a to the sulfur atom, which compounds have analgesic and anti-inflammatory activity and their preparations.

19 Claims, No Drawings